

STAMPING DEVICEAbstract of the Disclosure

1. — ~~_____~~ A stamping device for stamping ~~identification~~ stamps characteristic data, especially in the form of code ~~numerals~~ numbers (22), ~~in~~ into plastic products such as containers which have been produced preferably by a blow-fill-seal process, it being possible to ~~guide longitudinally at~~ Such containers are preferably produced according to blowing, filling and gelling methods. At least one stamp (32)), having a stamping unit (34) with replaceable identification interchangeable characteristic data units (42), and, when the stamp (32) is guided in a raised-state, to deliver and remove the products stamped or to be stamped and, when in the lowered-state, to effect stamping of the products.
2. — The stamping device as claimed in claim 1, wherein the plastic product and/or the stamping unit (34) ~~is/are heated for the purpose of stamping the identification data.~~
3. — The stamping device as claimed in claim 1 or 2, wherein the direction of delivery and removal (Z) of the plastic product is longitudinal or transverse with respect to the stamping direction of the stamp (32).
4. — The stamping device as claimed in one of claims 1 to 3, wherein a support stamp (46) is present which may be moved in the opposite direction simultaneously with or desynchronized from the stamp (32).

5. ~~The stamping device as claimed in claim 4, wherein the frame (24) has columnar guides (58) for longitudinal guidance of the plate-like stamping unit (34) and a support plate (50) of the support stamp (46).~~

6. — The stamping device as claimed in claim 5, wherein the plate-like stamping unit (34) and the support plate (50) are adjacent to and face each other and the piston rods (36; 48) of the stamp (32) and support stamp (46) engage the associated plate (34; 50) and with their housing element (38; 54) are mounted on the frame (24) so as to be stationary.
7. — The stamping device as claimed in claim 5 or 6, wherein there is present a guide plate (64) connected to the frame (24) by way of a column suspension and mounted between plate-like stamping unit (34) and support plate (50), which guide plate guides the plastic products for a stamping process within the frame (24).
8. — The stamping device as claimed in claim 1 to 7, wherein the plastic products are configured as ampules as containers (10) and, being connected in a strip by an edge zone (10), are stamped in succession and wherein a plurality of adjacent ampules is provided with stamping simultaneously.